

PCT/IB 03/00696

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04M11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX, INSPEC

Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 434 911 A (FLETCHER DONALD R ET AL) 18 July 1995 (1995-07-18) column 3, line 9 - line 27 column 3, line 61 - line 66 column 6, line 15 - line 59 figure 1	1-3
X	US 4 833 618 A (VERMA SHIV P ET AL) 23 May 1989 (1989-05-23) abstract figures 1,3,6 column 6, line 4 - line 62 column 7, line 7 - line 47	1-3
	-/	

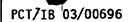
Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filing date L' document which may throw doubts on priority claim(s) or which is cited to ealablish the publication date of another citation or other special reason (as specified) O' document reterring to an oral disclosure, use, exhibition or other means P' document published prior to the international filing date but later than the priority date claimed	"T' tater document published after the international filing date or priority date and not in conflict with the application but after the understand the principle or theory underlying the invention." "X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
20 May 2003	27/05/2003
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2260 HV Rijswijk Tet (+91-70) 340-2040, Tx. 31 651 epp nl, Fax: (+31-70) 340-3016	Frantzeskakis, D-P



PCT/IB 03/00696

C.(Continue	tion) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *		Relevant to claim No.		
X	US 5 677 947 A (OLIVER STEWART WARNER) 14 October 1997 (1997-10-14) abstract column 5, line 64 -column 6, line 24 column 6, line 59 -column 8, line 15 column 15, line 44 -column 16, line 2 figure 3	1-3		
X	US 4 578 536 A (OLIVER STEWART W ET AL) 25 March 1986 (1986-03-25) column 4, line 7 - line 26 column 6, line 37 -column 7, line 10 figures 1,2,5	1-3		
X	US 5 204 896 A (OLIVER STEWART W) 20 April 1993 (1993-04-20) abstract column 1, line 19 - line 24 column 3, line 23 - line 47 column 4, line 4 - line 24 column 4, line 61 -column 5, line 43 column 11, line 1 - line 37	1-3		
A	US 4 644 103 A (ROSENFELD YECHIEL) 17 February 1987 (1987-02-17) abstract column 4, line 40 -column 5, line 29	1-3		





Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5434911	A	18-07-1995	AU	689113 B2	26-03-1998
			AU	7053094 A	03-01-1995
			BR	9406740 A	12-03-1996
			CA	2164219 A1	22-12 - 1994
			EP	0707769 A1	24-04-1996
			JP	8511668 T	03-12-1996
			MX	9404106 A1	31-01-1995
			WO	9429998 A1	22-12-1994
US 4833618	A	23-05-1989	NONE		
US 5677947	Α	14-10-1997	NONE		
US 4578536	A	25-03-1986	AU	3508184 A	07-05-1985
			BR	8407129 A	08-10-1985
			CA	1228184 A1	13-10-1987
			EP	0159351 A1	30-10-1985
			ES	8606695 A1	01-10-1986
			IT	1175882 B	15-07-1987
			JP	61500399 T	06-03-1986
			WO	8501852 A1	25-04-1985
US 5204896	Α	20-04-1993	NONE		
US 4644103	Α	17-02-1987	AT	56116 T	15-09-1990
			AU	600438 B2	16-08-1990
			AU	5805686 A	11-12-1986
			BR	8602517 A	27-01-1987
			CA	1251877 A1	28-03-1989
			DE	3673698 D1	04-10-1990
			EP	0205401 A2	17-12-1986
			JP	62064159 A	23-03-1987
			NO	862179 A ,B,	05-12-1986
			NZ	216240 A	27-10-1989